

Table S1. Genotypic and allelic frequencies in the analyzed sample by group

| | Younger group (N=375) | | | Older group (N=223) | | |
|----------------|-----------------------|-----------|------------|---------------------|-----------|------------|
| UCP2 rs659366 | Genotypes | Frequency | Percentage | Genotypes | Frequency | Percentage |
| | G/G | 183 | 48.80 | G/G | 100 | 44.84 |
| | G/A | 170 | 45.33 | G/A | 107 | 47.98 |
| | A/A | 22 | 5.87 | A/A | 16 | 7.17 |
| | Alleles | Frequency | percentage | Alleles | Frequency | Percentage |
| | G | 536 | 71.47 | G | 307 | 68.83 |
| | A | 214 | 28.53 | A | 139 | 31.17 |
| UCP2 rs660339 | Genotypes | Frequency | Percentage | Genotypes | Frequency | Percentage |
| | C/C | 180 | 48.00 | C/C | 83 | 37.22 |
| | C/T | 156 | 41.60 | C/T | 106 | 47.53 |
| | T/T | 39 | 10.40 | T/T | 34 | 15.25 |
| | Alleles | Frequency | Percentage | Alleles | Frequency | Percentage |
| | C | 516 | 68.80 | C | 272 | 60.99 |
| | T | 234 | 31.20 | T | 174 | 39.01 |
| UCP3 rs15763 | Genotypes | Frequency | Percentage | Genotypes | Frequency | Percentage |
| | C/C | 218 | 58.13 | C/C | 121 | 54.26 |
| | C/T | 141 | 37.60 | C/T | 82 | 36.77 |
| | T/T | 16 | 4.27 | T/T | 20 | 8.97 |
| | Alleles | Frequency | Percentage | Alleles | Frequency | Percentage |
| | C | 577 | 76.93 | C | 324 | 72.65 |
| | T | 173 | 23.07 | T | 122 | 27.35 |
| UCP3 rs1800849 | Genotypes | Frequency | Percentage | Genotypes | Frequency | Percentage |
| | C/C | 322 | 85.87 | C/C | 164 | 73.54 |
| | C/T | 48 | 12.80 | C/T | 58 | 26.01 |
| | T/T | 5 | 1.33 | T/T | 1 | 0.45 |
| | Alleles | Frequency | Percentage | Alleles | Frequency | Percentage |
| | C | 692 | 92.27 | C | 386 | 86.55 |
| | T | 58 | 7.73 | T | 60 | 13.45 |

| | | | | | | |
|-----------------|------------|-----------|------------|-----------|-----------|------------|
| UCP4 rs9472817 | Genotypes | Frequency | Percentage | Genotypes | Frequency | Percentage |
| | C/C | 92 | 24.53 | C/C | 58 | 26.01 |
| | C/G | 176 | 46.93 | C/G | 125 | 56.05 |
| | G/G | 107 | 28.53 | G/G | 40 | 17.94 |
| | Alleles | Frequency | Percentage | Alleles | Frequency | Percentage |
| | C | 360 | 48.00 | C | 241 | 54.04 |
| | G | 390 | 52.00 | G | 205 | 45.96 |
| UCP4 rs10498769 | Genotypes | Frequency | Percentage | Genotypes | Frequency | Percentage |
| | C/C | 240 | 64.00 | C/C | 147 | 65.92 |
| | C/G | 124 | 33.07 | C/G | 71 | 31.84 |
| | G/G | 11 | 2.93 | G/G | 5 | 2.24 |
| | Alleles | Frequency | Percentage | Alleles | Frequency | Percentage |
| | C | 604 | 80.53 | C | 365 | 81.84 |
| | G | 146 | 19.47 | G | 81 | 18.16 |
| UCP5 rs2235800 | Genotypes* | Frequency | Percentage | Genotypes | Frequency | Percentage |
| | T/T | 75 | 35.21 | T/T | 33 | 35.87 |
| | T/A | 112 | 52.58 | T/A | 46 | 50.00 |
| | A/A | 26 | 12.21 | A/A | 13 | 14.13 |
| | Alleles | Frequency | Percentage | Alleles | Frequency | Percentage |
| | T | 262 | 61.50 | T | 112 | 60.87 |
| | A | 164 | 38.50 | A | 72 | 39.13 |
| UCP5 rs5975178 | Genotypes* | Frequency | Percentage | Genotypes | Frequency | Percentage |
| | T/T | 56 | 26.29 | T/T | 29 | 31.52 |
| | C/T | 106 | 49.77 | C/T | 45 | 48.91 |
| | C/C | 51 | 23.94 | C/C | 18 | 19.57 |
| | Alleles | Frequency | Percentage | Alleles | Frequency | Percentage |
| | C | 208 | 48.82629 | C | 81 | 44.02 |
| | T | 218 | 51.17371 | T | 103 | 55.98 |

*Genotypic and allelic data refer to only the female sample.